



# MI Flu Focus

## Influenza Surveillance Updates

### Bureaus of Epidemiology and Laboratories



Editor: Stefanie Cole, RN, MPH   ColeS4@michigan.gov   October 21, 2015   Vol. 12; No. 32

**MI's Current Influenza Activity Level:**  
Sporadic

**Updates of Interest:**

The 2015-2016 influenza season is now underway, with Week 40 (covered here) marking the official start of the CDC's seasonal influenza surveillance.

### Influenza Surveillance Report for the Week Ending October 10, 2015

**Michigan Disease Surveillance System**

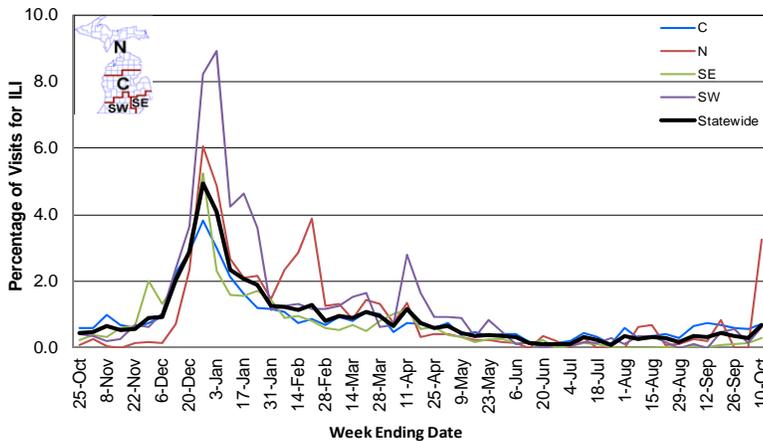
MDSS influenza data indicated that compared to levels from the previous week, aggregate and individual reports had both increased. Aggregate reports are lower than levels seen during the same time period last year, while individual reports are slightly higher.

**Emergency Department Surveillance**

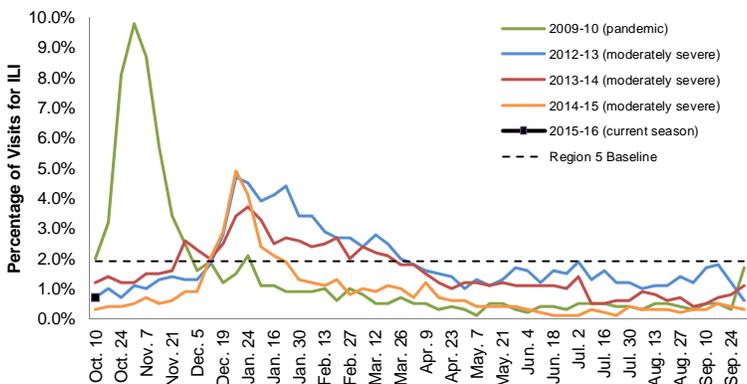
Compared to levels from the week prior, emergency department visits from constitutional complaints increased, while respiratory complaints were similar. Levels of constitutional and respiratory complaints are both lower than levels seen during the same time period last year.

- 6 constitutional alerts (1SW, 3C, 2N)
- 8 respiratory alerts (3SW, 3C, 2N)

**Percentage of Visits for Influenza-like Illness (ILI) Reported by Sentinel Providers, Statewide and Regions 2015-16 Flu Season**



**Percentage of Visits for Influenza-like Illness (ILI) Reported by the US Outpatient Influenza-like Illness Surveillance Network (ILINet): Michigan, Select Seasons**



**Sentinel Provider Surveillance**

The proportion of visits due to influenza-like illness (ILI) increased to 0.7% overall; this is below the regional baseline (1.9%). A total of 63 patient visits due to ILI were reported out of 9,070 office visits. Please note: These rates may change as additional reports are received.

Number of Reports by Region (23 total):

- C (11)
- N (2)
- SE (7)
- SW (3)

**Become a Sentinel Provider!**

As part of pandemic influenza surveillance, CDC and MDHHS highly encourage year-round participation from all sentinel providers. New practices are encouraged to join the sentinel surveillance program today! Contact Stefanie Cole ([ColeS4@michigan.gov](mailto:ColeS4@michigan.gov)) for more information.

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### Hospital Surveillance

The CDC Influenza Hospitalization Surveillance Project provides population-based rates of hospitalization due to severe influenza illness through active surveillance and chart review of lab-confirmed cases beginning on Oct. 1, 2015, for Clinton, Eaton, Genesee, and Ingham counties. Since Oct. 1, there has been one adult hospitalization reported within the catchment area.

The MDHHS Influenza Sentinel Hospital Network monitors influenza hospitalizations reported voluntarily by hospitals statewide, and 12 hospitals (N, C, SE & SW) reported. Results for the 2015-16 flu season are listed in the table below. Additional hospitals are welcome to join; please contact Seth Eckel at [eckels1@michigan.gov](mailto:eckels1@michigan.gov).

Age Group	New Flu Hospitalizations Reported	Total 2015-16 Flu Hospitalizations Reported to Date
0-4 years	0	0
5-17 years	0	0
18-49 years	0	0
50-64 years	1 (SE)	1 (SE)
65 years & older	0	0
<b>Total</b>	<b>1 (SE)</b>	<b>1 (SE)</b>

### Laboratory Surveillance

MDHHS Bureau of Laboratories reported 4 new positive influenza results: 3 A/H3 and 1 2009 A/H1N1pdm. A total of 4 positive influenza results have been reported for the 2015-16 season. Influenza results for the 2015-16 season are in the table below.

Respiratory Virus	# Positive Respiratory Virus Results by Region				Total	# Specimens Antigenically Characterized	# Tested for Antiviral Resistance
	C	N	SE	SW			# Resistant / Total # Tested
2009 A/H1N1pdm			1		1		
Influenza A/H3			2	1	3		

In addition, 10 sentinel clinical labs (3SE, 2SW, 5C) reported influenza results. Three labs (SE) reported sporadic influenza A activity. No labs reported influenza B activity. Three labs (SE, SW) reported sporadic or low Parainfluenza activity. One lab (C) reported sporadic RSV activity. Two labs (SE, SW) reported sporadic or low Adenovirus activity. No labs reported hMPV activity. Most testing volumes are at low to moderate levels.

### Influenza Congregate Settings Outbreaks

There were no new facility outbreaks reported to MDHHS for the week ending 10/10/15. MDHHS has yet to receive any reports of respiratory outbreaks for the 2015-16 season. Respiratory facility outbreaks will be listed in the table below by facility type and surveillance region.

Facility Type	C	N	SE	SW	Total
None Reported	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### Influenza-associated Pediatric Mortality

No influenza-associated pediatric deaths have been reported to MDHHS for the 2015-16 season.

**National:** In the United States, 1.2% of outpatient visits were due to influenza-like illness, which is below the national baseline of 2.1%. No influenza-associated pediatric deaths have been reported during the 2015-16 season. Additional information is in the weekly FluView reports available at: [www.cdc.gov/flu/weekly/](http://www.cdc.gov/flu/weekly/).

**International:** Globally, influenza activity generally decreased or remained low, with only a few countries reporting elevated respiratory illness levels. In Australia and New Zealand, flu activity has continued to decrease after peaks in mid-August. Recent detections have been predominately influenza B viruses. More information is available at: [www.who.int/influenza/surveillance\\_monitoring/updates/latest\\_update\\_GIP\\_surveillance/en/](http://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/).



## 2015-16 FLU NEWS IN MICHIGAN

- MDHHS, MOA & MSMS: [2015-16 Influenza Season and Vaccination Press Release](#)
- MDHHS: [Updated Guidance for Influenza Surveillance, Reporting and Testing for Local Health Departments](#)

## 2015-16 SEASONAL FLU ACTIVITY

- [US flu levels low as new season's reporting starts](#)

## MDHHS FALL IMMUNIZATION CONFERENCES

[Register now](#) for the MDHHS Fall Regional Immunization Conferences! The following conferences still have open spots available:

- Nov. 3: Lansing
- Nov. 6: Flint
- Nov. 17: Kalamazoo
- Nov. 20: Troy

## UPCOMING ICID FLU WEBCAST

The International Center for Infectious Diseases (ICID) is hosting a flu webcast on Tuesday, October 27 from 5:30-7:30 PM (EDT). The webcast is titled "Flu Vaccines for Little Kids – What's New, What's True." Click [here](#) if you'd like to know more about this webcast or to register.

## FLU WEBSITES

- [www.michigan.gov/flu](http://www.michigan.gov/flu)
- [www.cdc.gov/flu](http://www.cdc.gov/flu)
- [www.flu.gov](http://www.flu.gov)
- <http://vaccine.healthmap.org/>

## AVIAN INFLUENZA A(H5N1) & A(H7N9) NEWS

- [Fourth wave of H7N9 begins in China](#)

## AVIAN INFLUENZA NEWS IN NORTH AMERICA

- Any reports of sick or dead birds should be forwarded immediately to the proper agency:
  - For domestic poultry, contact MDARD:
    - M-F 8AM-5PM, 1-800-292-3939
    - After hours/weekends, 517-373-0440
  - For wildlife (die-off of waterfowl, gulls, or shorebirds), contact DNR:
    - M-F 8AM-5PM, 517-336-5030
    - After hours/weekends, 1-800-292-7800

## OTHER INFLUENZA-RELATED NEWS

- CDC: [109.4 million doses of flu vaccine distributed in U.S.](#)

Archived editions of FluBytes are available [here](#) and MI FluFocus archives are [here](#).

For questions or to be added to the distribution list, please contact Stefanie Cole at [ColeS4@michigan.gov](mailto:ColeS4@michigan.gov).

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